

1. Record Nr.	UNINA9910143635103321
Titolo	Computer Performance Evaluation. Modelling Techniques and Tools : 11th International Conference, TOOLS 2000 Schaumburg, IL, USA, March 25-31, 2000 Proceedings // edited by Boudewijn R. Haverkort, Henrik C. Bohnenkamp, Connie U. Smith
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-46429-8
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (XIV, 390 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1786
Disciplina	004.1
Soggetti	Computers Computer system failures Software engineering Computer simulation Theory of Computation System Performance and Evaluation Software Engineering Simulation and Modeling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Paper -- Performance Evaluation with Heavy Tailed Distributions -- Queueing Network Models -- Layered Modeling of Hardware and Software, with Application to a LAN Extension Router -- Object Allocation for Distributed Applications with Complex Workloads -- A Set of Tools for Traffic Modeling, Analysis and Experimentation -- Queueing Analysis of Pools in Soft Real-Time Systems -- Xaba: Exact, Approximate, and Asymptotic Solvers for Multi-class Closed Queueing Networks -- Decomposition of General Tandem Queueing Networks with MMPP Input -- Exact and Approximate Solutions for a Class of Infinite Markovian Models -- Performance Evaluation of a Distributed Enterprise Data Mining System -- Optimisation in Mobile Networks -- Minimization of the Impact of Subscriber Mobility on the Resources of a

GSM Network -- Optimal Allocation Policies for Mobile Agents --
Stochastic Petri Nets -- Iterative Analysis of Markov Regenerative
Models -- Analysis and Evaluation of Non-Markovian Stochastic Petri
Nets -- Petri Net Modelling and Performability Evaluation with TimeNET
3.0 -- Integrating Synchronization with Priority into a Kronecker
Representation -- Simulation -- Implementation of Importance
Splitting Techniques in Stochastic Petri Net Package -- FluidSim: A Tool
to Simulate Fluid Models of High-Speed Networks -- Formal Methods
and Performance Evaluation -- Exploiting Modal Logic to Express
Performance Measures -- Derivation of Petri Net Performance Models
from UML Specifications of Communications Software -- Measurement
Tools and Applications -- Scalability of a Workstation Cluster
Architecture for Video-on-Demand Applications -- Multilayer Online-
Monitoring for Hybrid DSM Systems on Top of PC Clusters with a SMiLE
-- Design and Implementation of a Tool for Measuring the Performance
of Complex E-commerce Sites -- Tool Descriptions -- FiFiQueues:
Fixed-Point Analysis of Queueing Networks with Finite-Buffer Stations
-- Galileo: A Tool for Dynamic Fault Tree Analysis -- Möbius: An
Extensible Tool for Performance and Dependability Modeling --
MRMSolve: A Tool for Transient Analysis of Large Markov Reward
Models -- Calculation and Use of Peaking Factors for Remote Terminal
Emulation -- Reliability and Performability Modeling Using SHARPE
2000 -- The Simalytic Modeling Technique: Overview for Application
Performance Analysis -- SPNP: Stochastic Petri Nets. Version 6.0 --
SREPT: Software Reliability Estimation and Prediction Tool -- STEADY —
A Tool for Predicting Performance of Parallel DBMSs -- The TANGRAM-
II Environment -- Implementing Symbolic Models for Value Passing in
TwoTowers -- Monitoring Application-Level VoIP Grade of Service at a
PSTN-IP Network Gateway -- ? Prof-SDL: A Tool for Identifying
Performance Bottlenecks of Software Architectural Design.
